

FRESHMAN EDITION

TOIKE OIKE



TOIKE OIKE, TOIKE OIKE, OLLUM TE CHOLLUM TE CHAY,
SCHOOL OF SCIENCE, SCHOOL OF SCIENCE, HURRAY, HURRAY, HURRAY.

Vol. XXXIV

Tuesday, September 22, 1942

No. 1

PRESIDENT'S MESSAGE TO THE CLASS OF 4T6

Yours is a great privilege. Canada needs technically trained men. It has been your good fortune to tread the path in answer to this need. You are here because Canada has a trust in you. A faith that you will not let her down. Be conscious of this great trust and let not the sources that breed decay, undermine the firmness of your purpose or your resolve to execute your duty with iron resolution.

It is my good fortune to introduce to you the "Engineering Society". This is the ancient and revered student organization at S.P.S. You automatically become a member upon your attendance at the University of Toronto in the Faculty of Applied Science and Engineering. Every student here contributes. If he is unable to take active part he supports our society morally.

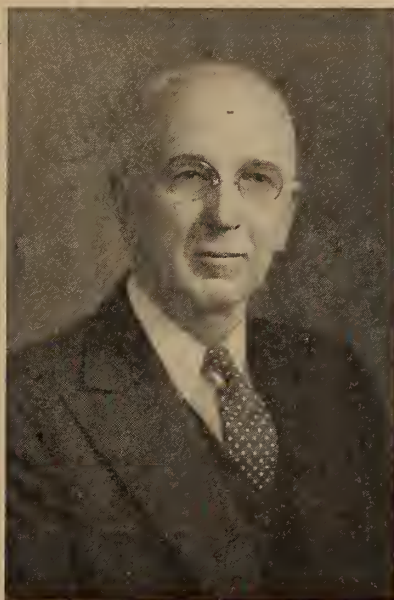
In order that you may understand the machinery of this organization get a copy of the constitution at the Engineering Society office. Ask questions and familiarize yourself with what is expected of you. The classes which have gone before you have set a high standard of achievement; let not the sages of years to come say "and what of the class of 4T6?"

You may find the older students a formidable looking lot but beneath their rough exterior you will find a sympathetic and understanding hand. They will help you at any opportunity. They have been through the "ropes".

I should like to know you all personally but realize that this may not be achieved. However, if I can be of service in any problem that may confront you, do not hesitate to call at the Engineering Society office and ask for Jim Cawley.

On behalf of the older students I extend to you, men of the Class of 4T6, a hearty hand clasp.

JIM CAWLEY,
President,
Engineering Society.



AS THE YEAR BEGINS

A not inconsiderable compensation for the tragedy of war is that young men entering the institutions of higher learning, or for the first time employing their talents in the practical affairs of life, do so with an active realization of owing some debt to the country that has nurtured them. It was never more evident that a man ought not—indeed cannot—live wholly to himself. The fortunes of all of us, our right to normal human relationships, our very survival, all depend on the readiness of every citizen, young as well as old, to give that degree of service to the commonwealth that is the honourable mark of free men.

The profession of engineering, along with other callings in which educated men find their life work, has been ill-served by persons who seek in it merely a means of earning a living. Most certainly, a young man is doomed to a life of dull mediocrity if he concerns himself only with the mechanistic aspects of the engineering profession. A mastery of technological principles constitutes only the bare bones of it. Without the breath of life that comes from wide human sympathies, without a lively

(Concluded on page 4)

RULES FOR FRESHMEN

The following rules have been drawn up and approved and will be observed by all Freshmen during the time stated.

The first group of rules will be enforced during the whole school year.

1. The first year will supply all fatigue parties required by the Engineering Society Executive. These parties will be detailed by the first year executive.
2. The first year will provide one man daily to report to the President of the Engineering Society for whatever services may be required. Members of the first year executive and Engineering Society Committees are exempt.
3. Freshmen shall NOT use the east door of the Engineering Building.

The following rules must be observed up to the time of the initiation:

1. All Freshmen will wear a green tie of the style approved and supplied by the Supply Department of the Engineering Society. After the initiation a green button will be presented which will be worn for the remainder of the year.
2. All Freshmen will enter the School buildings by the basement doors only.
3. Freshmen will remove their hats on entering all School buildings.

(There will be no hazing.)

The initiation ceremony will be arranged by representatives of the first and second year executive, with the approval of the Faculty and Engineering Society. You will be notified in due time of further details regarding this important function.

THE TOIKE OIKE

Devoted to the interests of the Under-graduates of the Faculty of Applied Science.

Published Every Now and Then by The Engineering Society of the University of Toronto.

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EDITORIAL

We are at war. We have been given the privilege of attending this University to prepare ourselves, in order that we may serve our country in its hour of need.

It is for us to remember, at all times, that we must curtail that animal spirit within us, to refrain from making public spectacles of ourselves, even though it may be all clean fun. Remember too, the public is watching us through very critical eyes, always on the verge of making very erroneous statements such as, "rich men's sons", "draft-dodgers". If we make the front-page of our daily papers, as has often been the case, then we not only bring down the wrath of the general public but also do a grave injury to those others attending this University. Our Dean has refrained from making any statements in regards to the initiation of Freshmen for he

In Memoriam

All those who have passed through the second year draughting room will learn with profound regret of the death of Mr. Ralph Mallory Clark, Instructor in Engineering Drawing, who was drowned last July at his summer home on Lake Muskoka. All of us who knew him will remember him as a real friend who sought every opportunity to help with our difficulties, a friend whose services were always available and whose kindly manner made him easy of approach. His passing is a very great loss and his place will be exceedingly difficult to fill.

To the members of his family we extend our sincere sympathy.

feels that he has under him a group of intelligent men, who realize that such antics of the past must be subdued; he leaves it up to us to use our heads.

Let us confine our initiation ceremonies to the Campus, let us make the Freshmen feel that they are Freshmen, but above all, let us refrain from any demonstrations downtown, remembering, always, We are at War!

THE SUPPLY DEPARTMENT

Every Freshman coming into School requires a lot of articles peculiar to Engineering courses. The Engineering Society of which you are now a member has for a good many years maintained in your interests a store, to supply these varied needs.

It is certainly a great convenience to be able to wander into the store on the first floor of the Engineering Building, and find everything you want—provided you have the where-with-all. That last statement most naturally leads to another point—the question of price. Nearly all our orders are of fair size, making our buying price very favourable. This makes it possible for the Engineering Society to offer you the most reasonable price that you can get for the same quality anywhere in the city.

The two girls in the store, Miss Lowry and Mrs. Metcalf, are there to smilingly fill your wants, and to help iron out any difficulties you might have. Things you buy that are defective, return to them, and adjustments will be made. Also, if you find that we have not got something you want especially, just inquire, and perhaps something can be done about it.

We would also like to stress that if you are in need of advice re supplies, location of rooms, etc., do not hesitate to ask some member of the Executive, at the office. We will gladly give it to you, so in closing we say, be sure to patronize your store, as it is one of the Engineering Society's proudest possessions.

SPORTOIKE

"Hello Gang"

Welcome back, to those returning, and an open-armed greeting to the multitude of freshmen.

Another year has started, the first for some and the last for others. It is a little different from other years in that we have an added incentive to work and study hard. In short, it is pass or get out, and quite right too. Our nation needs engineers as never before, but they must be fighters, who are needed even more. We must breed a brand of engineers who can think fast and intelligently and then be prepared to act fast and courageously, with complete self-confidence. Our professors teach us to think fast and intelligently, but gentlemen, you yourselves must learn to act courageously, with self-confidence, in short, to be a fighter. There is no better way to acquire and strengthen this quality than by participation in athletics. At the same time you will make friends, improve yourself physically and mentally and partake more fully of a healthy college life. I urge you, gentlemen, for your own welfare, do not become self-centered, a "scab", or you will surely regret it later.

Our faculty presents the fullest athletic calendar of any other organization on the campus and it is now possible for all to participate in some sport. The fall sports, for which your Athletic Council desires a large turnout at once, are rugby, soccer, lacrosse and track and field and volleyball.

Watch the bulletin board in the School building for further information on these sports.

A man and his wife were suffering from seasickness, while their young son became more rowdy by the minute. Finally, the mother mustered courage and voice enough to say:

"John, I wish you would speak to Willie."

The father, unable to lift his head, said feebly: "Hello, Willie."

ARCHITECTURAL CLUB

The T squares rest, the triangles no longer slide, the compass twirleth not, even the erasers are stilled and the muttered curse disturbs not the silences of our beloved Little Red School House. Hushed is that eternal question "Whose got the problem?" for there's nobody home in the School of Architecture. The student body, as you freshmen may have noticed, is conspicuous by its absence. This is the best way to be conspicuous. That brave company of brilliant intellects, the Architectural Club, who are to be your constant inspiration for years to come, have foregathered along the shores of Gull Lake amidst the wreckage of Survey Camp and thence from the bottom of a pan of ivory black we extend to you a hearty welcome. These distant welcomes are poor things so expect a much more personal introduction into the Club upon our triumphant return. Be forewarned.

When we, your absent playmates, return, the election of Club officers for the year will take place. You frosh will elect a year representative from among your number at this first meeting to serve on the Club executive. So would you give this matter some thought between now and the return of the natives?

Plans for Club activities have been given a good deal of thought and will necessitate the vigorous cooperation of everyone of you. It is the objective of these plans to provide a goodly round of entertainment and to pull into the light of day the Club's individual and collective schemes, ideals, ideas and criticisms in the field of architecture. Two or three schemes we have in mind will need your assistance. Greater reliance on the members rather than on outside speakers will probably be the order of the day. But more of all this later.

In the meantime stop draughting with the quill out of the ink bottle. It ain't done.

J. A. MURRAY,
Chairman.

ENGINEERING PHYSICS CLUB

Here we go again for another session with our slipsticks, integrals, and military drill. So to all who are returning to the Red School House a word of welcome is in order, and a special welcome is extended to those now form the class of 4T6.

To the former this club needs no introduction, but to the latter some words of enlightenment may be necessary.

This club is composed solely of undergraduates of the Engineering Physics Club, and monthly meetings are held at which a speaker from some Canadian industry is asked to speak.

Our first meeting will likely be held

during the first week of October at which, as is our custom, the Frosh will be guests of the Sophomores; however, more about that from your year representative at a later date.

Well, that will be all for now, gang, but remember an Engineering Physics Frosh seldom loses his green tie. So come on Frosh let's take care of them.

JIM DIACK.

ELECTRICAL CLUB

Welcome back to the Schoolhouse ye old and new electricals.

Some of the projected ideas from our first executive meeting will be emerging shortly. We plan to have each year responsible for one meeting, judge which of the four put on the best show and have a party at which the other three years pay for the winner. Because of prevailing restrictions it was expected that a field trip to some industry would be impossible this year. However, the executive have been working on one during the summer, and it appear that a field trip for all Club members may take place in October or November to a large electrical company. This depends upon what arrangements we can make to suit all parties concerned.

Since democracy is what the world is being made safe for, the Club will operate on such a basis this year. To further this idea, a questionnaire will be issued to each Electrical soon after School opens. When filling it in, restrain the sense of humor, it's supposed to be serious. We want to find what talent we have, what sort of meetings you want, and what night is best for the most members for meetings. Above all it's your Club. If you have any ideas for speakers, programs or entertainment, or just anything at all, tell your Chairman or Year Rep. We want to hear about it, whether it's praise or criticism.

The first meeting for all members will take place early in October, probably the first week. It will be largely social in aim, as well as providing some sort of reception for the up-and-coming Frosh. It is expected that the Second Year will sponsor the meeting. Anyway, watch the notice-boards for details as to date, time and place. We'll be looking for you.

PETE SMITH,
Chairman.

CIVIL CLUB

Welcome back Civils to a new and glorious year and let us extend a firm handshake to the Freshmen year. We should do so because in times like these unity and solidarity is our only bulwark.

Your Civil Club is the first step in this direction. The senior men must show the way to our new members so

that they, as well as we, take full advantage of the club to which we are all paid up members. Let us not take a purely egotistical view of this activity but rather let us see how much benefit we may derive from it by putting our all behind it.

We are planning an opening stag early in October in order to properly welcome our new members as well as old friends. Let's come to this stag prepared to lay the foundations for our biggest year.

G. H. WORKMAN,
Chairman.

INDUSTRIAL CHEMICAL CLUB

Greetings Gentlemen—and welcome back to another season of fun and festivity and a special "gold-plated" greetings to the class of 4T6 who are coming into contact for the first time, with that magnificent organization known as the Industrial Chemical Club. Your executive has spent many long and sleepless nights planning bigger and better things for the Club this year.

The first dish on the menu will be, of course, The Initiation Stag, an affair that no Chemical can afford to miss. All freshmen are expected to attend. Although the plans are not yet definite as to time and place—a good time is assured—Watch the Bulletin Board for full particulars.

R. F. LEWARNE,
Chairman.

MINING AND METALLURGICAL CLUB

For Freshmen Only

A hearty welcome to all our fledglings on their entry into the ranks of good Schoolmen and another welcome into association with the most friendly and active club of the coming term. May you give the club an opportunity to know every man in School's two most active departments, and acquaint yourself with the means to success in your chosen profession. Watch for our own freshmen reception, the highlight of the club's social activities.

For Has Beens Only

To make the coming year a success we need very man a member with his shoulder to the wheel. The club executive can't operate to suit everyone without your suggestions, criticisms and assistance.

Come on, you Schoolmen, don't slide into that greasy rut of the slacker that expects everyone else to do the work and he takes all the gravy! Let's make our first meeting a slamming success that will pave the way to those torrid sessions which spell Mining and Metallurgical Club.

FRANK KELLMAN,
Chairman.

DEAN'S MESSAGE

(Continued from page 1)

consciousness of the obligations and privileges that attach to the members of a learned profession and the place that their labours occupy in the broad picture of human endeavour, the calling amounts to no more than a trade.

One of the great contributions that a university can make to the development of young men is through acquainting them indirectly with the vast complexity of learning and the fact that no one calling can address itself to more than a small sector of the intellectual front. The tasks that are directed to the advancement of human life and interests are multifarious and no profession can afford any show of arrogance.

There is, however, high satisfaction to be derived from a conviction that what one is doing has a vital connection with the advancement of civilization and that one's occupation has deep human significance. We ought not to forget that it can have value only in proportion to its ministrations to human needs.

It is to those who now enter the Faculty for the first time that these observations are more particularly addressed. Two or three years of college life, for the young man of normal ambitions and interests, will show that if he is to attain the higher reaches of the profession he must become a citizen of the world. Planning, and the formulation of public policies, is not the exclusive prerogative of governments and parliaments. The outbreak of this war and the colossal demands made by it on the thought and energies of young men has shown that henceforth, if we are to survive at all, every educated citizen must become something of a statesman in himself. Young men in the universities are realizing it, and so for those who will now be absorbed into the great stream of student life a new outlook and a new emphasis are unfolded.

To the men of the First Year should be pointed out the simple fact that the most important single thing to be learned is how to look after yourselves. The University is a free community. You cannot be watched and guided at every turn in your personal and academic lives. The University does not force you to devote a specified number of hours to your academic studies week by week. It merely offers you facilities by which you may develop yourself. When it is satisfied that you have attained a certain minimum standard of achievement, it places the imprint of the graduate upon you.

You are now to take the first steps of an enlarged responsibility for your own careers. Time has shown that the men of this Faculty meet the test with resolution and success. It is my firm

belief that you will do as well as those who have gone before you. May we not hope that, in response to the high challenge of these stirring years, you will do even better?

C. R. YOUNG,
Dean.

A young second lieutenant was exercising a squad of recruits somewhere along the South Coast of England. It was the very first time that he had actually been in charge, and he was terribly nervous. He had done pretty well until he had the men marching along in column, heading straight for the edge of a cliff that gave a sheer drop of 200 feet to the beach below. Words failed him! He saw the danger, but he didn't know what command to give. As he hesitated, the sergeant ran up and said, "For God's sake, sir, say something, even if it is only 'goodbye'."

Murphy: "What's that in your pocket?"

Pat (in whisper): "Dynamite. I'm waiting for Casey. Every time he meets me he slaps me on the chest and breaks me pipe. Next time he does it, he'll blow his hand off."

Judge (after charging jury) — Is there any question that any one would like to ask before considering the evidence?

Juror—A couple of us would like to know if the defendant boiled the malt one or two hours, and how does he keep the yeast out.

"How about taking a little ride in the country?"

She: "Not tonight . . . I'm too tired. How about running out of gas here in town?"

Doc: I can't quite diagnose your case. I think it must be drink.

Old Soak: All right, doctor, I'll come back when you're sober.

"Does your husband talk in his sleep?"

"No, and it's terribly exasperating. He just grins."

A soldier went to his colonel and asked for leave to go home to help his wife with the spring housecleaning.

"I don't like to refuse you," said the colonel, "But I've just received a letter from your wife saying that you are no use around the house."

The soldier saluted and turned to go. At the door he stopped:

"Colonel, there are two persons in this regiment who handle the truth loosely, and I'm one of them. I'm not married."

DRAFTING SUPPLIES

The following list of supplies may be purchased at the Engineering Society Supply Department:

1 Drawing Board 23" x 31".....	\$ 2.00
1 Tee Square 30".....	2.40
1 Tee Square 10".....	
1 Set Square 14"-60°.....	1.00
1 Set Square 10"-45°.....	.60
1 Dozen Thumb Tacks.....	.05
1 Fractional Scale.....	.45
1 Decimal Scale.....	.45
1 Pencil Pointer.....	.10
1-H, 2H, 3H Pencil.....	.25
1 Pencil Rubber.....	.15
1 Ink Rubber.....	.10
3 Bottles Ink (Black, Red and Blue).....	.90
4 Sheets Drawing Paper.....	.70
1 Portfolio.....	1.00
1 Dusting Brush.....	.50
1 Penholder.....	.05
6 Pen Nibs, No. 312 and No. 303.....	.10
1 Erasing Shield.....	.25
2 Sketch Problem Covers.....	.05
1 Sketch Problem Pad.....	.15
Drawing Instruments.....	11.00
Leather Notebook with Refill.....	\$ 4.75
Leather Zipper Notebook.....	6.25
Log-Log Decitrig Duplex Slide Rule.....	15.75

The above list is solely to guide you in purchasing the materials which you will require almost immediately. The leather notebook listed has a serviceable open cover of full grain leather. The Supply Department carries a large stock of refills, pencils, lab coats, and so on, but your text books may be obtained from the Students' Book Department, in behind the Physics Building, at reduced rates. The S.A.C. in Hart House has a book exchange, where second-hand books may be obtained at a very reasonable price. However, do not buy your books until each lecturer has told you what you will require.

The haughty senior girl sniffed disdainfully as the tiny freshman cut in. "And just why did you have to cut in when I was dancing?" she inquired nastily.

The freshman hung his head in shame. "I'm sorry ma'am," he said, "but I'm working my way through college, and your partner was waving a five dollar bill at me."

The principal speaker of the evening was something of a bore. After he had been trying the patience of his hearers for 30 minutes, the chairman noticing that a diner on his right was snoring gently, tapped him lightly with his gavel.

A second time the diner dozed, and the gavel brought him back.

Again the snoring became audible and the chairman, losing patience, plied the gavel to more purpose.

"Go on," was the sleepy answer, "hit me again; I can still hear him."